

**TRIPURA UNIVERSITY**

**ECONOMICS**

**UG SEM 1**

Syllabus for Economics Major 1 (Part of SEM 1)

<b>Programme/Class</b>	<b>Year: First</b>	<b>Semester: First</b>
<b>Degree: BA</b>		<b>Major 101</b>
<b>Subject: Economics (Major)</b>		
<b>Course code:</b>	<b>Course Title: Basic Economics</b>	
<b>Course objective:</b>	<ul style="list-style-type: none"> <li>• To introduce the basic concepts of Microeconomics, Laws of demand and supply, concept of elasticity, etc.</li> <li>• To impart knowledge about the concepts of consumer behaviour</li> <li>• To familiarize the students with price effect, income effect and substitution effect, the application of indifference curve analysis in deriving demand curves</li> <li>• To introduce the theory of production- isoquants, isocosts, producer equilibrium, laws of returns to scale, laws of variable proportion.</li> <li>• To familiarize the students with the theory of cost, relation between marginal cost and average cost, derivation of short run and long run average cost curves, the meaning of market, classification of market structures, the concepts and classifications of revenue, relation between marginal revenue, average revenue, and also relation among marginal revenue, average revenue and elasticity.</li> <li>• To put across the concept of national income, calculation methods of national income, and concepts related to national income.</li> <li>• To familiarize the students about the objectives and components of government budget, classification of receipts and expenditures, measures of government deficit.</li> </ul>	
<b>Course outcome:</b>	<ul style="list-style-type: none"> <li>• The students get familiarized with the basic concepts of Microeconomics, Laws of demand and supply, concept of elasticity, etc. so that he/ she can comprehend and familiarize with day today happenings.</li> <li>• Understand the concepts of consumer behaviour like Cardinal utility and ordinal utility analysis.</li> <li>• The students learn and understand the price effect, income effect and substitution effect, the application of indifference curve analysis in deriving demand curves</li> <li>• The students are able to understand the theory of production- isoquants, isocosts, producer equilibrium, laws of returns to scale, laws of variable proportion.</li> <li>• The students learn and understand the theory of cost, relation between marginal cost and average cost, derivation of short run and long run average cost curves.</li> <li>• The students come to know about the concept of market and its different structures, concepts and classifications of revenue, relation between marginal revenue, average revenue and relation among marginal revenue, average revenue and elasticity.</li> <li>• The students are able to explain national income, comprehend methods of measurement of national income, and concepts related to national income.</li> <li>• The students understand the objectives and components of government budget, classification of receipts and expenditures, measures of government deficit.</li> </ul>	
<b>Credits: 04</b>	<b>Core Compulsory</b>	
<b>Max. Marks: 100</b>	<b>Min. Passing Marks: 40</b>	

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Unit	Topics	No. of Lectures
<b>UNIT-I</b> (Basic concepts of Economics):	Nature and scope of Economics; Positive & Normative Economics; Micro & Macro Economics.  Basic Problems & Agents of an Economy; Demand, Supply & Market Equilibrium; Derivation of Market Demand & Supply; Change in Supply & Demand and Economic Implications.  Elasticity of Supply: Concept, Determinants & Measurement; Elasticity of Demand: Concept, Types & Determinants; Measurement of Point Elasticity; Concepts of Unit Elasticity & Arc Elasticity, Relation between Slope and Elasticity of Demand.	12
<b>UNIT-II</b> (Theory of Consumer Behaviour):	Cardinal & Ordinal Utility; Law of Diminishing Marginal Utility; Marshallian Utility Analysis; Derivation of Demand Curve and Its Elasticity Implication.  Concepts & Properties of Indifference Curve & Budget Line; Total Utility, Marginal Utility & Average Utility; consumer's equilibrium-interior and corner;  Decomposition of Price effect into Income and Substitution effect (Hicks and Slutsky), Ordinary & Compensated Demand curves, Price consumption curve and Giffen good, Income consumption curve and Engel curve.	12
<b>UNIT-III</b> (Theory of Production, Cost and Revenue):	Production Function, Laws of Variable Proportions and Returns to Scale; Total, Average and Marginal Products Concepts & Properties of Isoquant & Isocost Line; Concept of MRTS, Producer's Equilibrium, Elasticity of substitution; Ridge Lines & Economic Zone; Expansion Path; Cost Minimization and Output Maximization  Cost structure- implicit cost, explicit cost, fixed cost, variable cost, total, average and marginal cost. Relation between marginal cost & average cost; Derivation of SAC & LAC.  Meaning of market; classification of market structures; Concepts of Total Revenue, Marginal Revenue (MR) & Average Revenue (AR); Relation between AR and MR under imperfect competition; Relation between AR and MR under imperfect competition; AR, MR and Price Elasticity of Demand	13

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<p><b>UNIT-IV</b> (Introductory Macroeconomics) :</p>	<p>Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.</p> <p>National Income and related aggregates: GNP, NNP(at factor cost and market price),GDP, NDP, GDP, PI &amp; DPI);Concepts of Depreciation, GDP Deflator, CPI; Measurements of National Income: Aggregation of Output, Income and Expenditure; National Income as an index of economic welfare.</p> <p>Government Budget and the Economy: Government budget - meaning, objectives and components.</p> <p>Classification of receipts - revenue receipts and capital receipts; classification of expenditure-revenue expenditure and capital expenditure.</p> <p>Measures of government deficit - revenue deficit, fiscal deficit, and primary deficit- their meaning.</p>	<p>13</p>
<p><i>Suggested Readings:</i></p> <ul style="list-style-type: none"> <li>▪ Sampat Mukherjee, <i>Analytical Microeconomics</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Micro Economic Theory</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Hal R. Varian, <i>Intermediate Microeconomics: A Modern Approach</i>, East- West Press, New Delhi.</li> <li>▪ Koutsoyiannis, <i>Modern Micro Economics</i>, Macmillan, London</li> <li>▪ Montosh Chakraborty, <i>Byastik Arthaniti</i>, Dhakeswary Library, Dhaka.</li> <li>▪ H.L. Ahuja, <i>Advanced Economic Theory</i>, S.Chand&amp; Company Ltd.</li> <li>▪ Sampat Mukherjee &amp; Debesh Mukherjee, <i>Samakalin Arthabidya</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Satya R. Chakraborty, <i>Microeconomics</i>, Allied Publishers Pvt Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Adhunik Arthanitir Bhumika</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Rana and Verma, <i>Macroeconomic Analysis</i>, Vishal Publication</li> <li>▪ Ahuja, H.L., <i>Macroeconomics: Theory and Policy</i>, S. Chand&amp; Co, New Delhi</li> <li>▪ R. Dutt&amp; K.P.M. Sundaram, <i>Indian Economy</i>, S. Chand&amp; Co, New Delhi</li> <li>▪ S.K. Mishra &amp; V.K. Puri, <i>Indian Economy</i>, Himalayan Publishing House</li> <li>▪ Swapan Kr. Ray &amp; Joydeb Sarkhel, <i>Bharater Arthaniti</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Joydeb Sarkhel &amp; Sheikh Salim, <i>Bharatiya Arthaniti</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ N. Gregory Mankiw, <i>Principles of Microeconomics</i>, 6th Edition, NewDelhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ N. Gregory Mankiw, <i>Principles of Macroeconomics</i>, 6th Edition, NewDelhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ Shapiro, E. <i>Macroeconomic Analysis</i>, New Delhi: Galgotia PublicationsPvt. Ltd.</li> <li>▪ Dornbusch, R. and F. Stanley, <i>Macroeconomics</i>, New York: McGrawHill, Inc.</li> </ul>		
<p><b>Suggested Continuous Evaluation Methods:</b> Assignment /Test/Quiz (MCQ)/Presentations</p>		
<p><b>Suggested equivalent online:</b> Swayam, <a href="http://www.indiabudget.gov.in">www.indiabudget.gov.in</a></p>		

## Syllabus for Economics Major 2 (Part of SEM 1)

## Major 102

Programme/Class Degree: BA	Year: First	Semester: Two
<b>Subject: Economics (Major)</b>		
Course Code:	<b>Course Title: Issues in Indian Economy</b>	
Course Objective	To give an understanding about the <ul style="list-style-type: none"> <li>• Demographic profile of the country</li> <li>• Different sectors of the Indian economy</li> <li>• Public sector and Indian financial system</li> <li>• External sector of the country</li> </ul>	
Course Outcome	Students will learn about the nature of the Indian economy and its problems. This will help them understand and analyze the changes of different indicators of Indian economy using basic economic tools.	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
Keywords		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Structure and Trends of Indian Economy	Features of Indian Economy; Sectoral Distribution of National Income & Its Significance Demographic: Features, Trend and Problems; inter-state demographic variation with respect to major economic indicators	13
UNIT-II: Primary, Secondary & Tertiary Sectors	Farm Size & Productivity; Land Reform: Nature & Scope, Objectives, Programmes, Achievements & Failures; Green Revolution: Salient Features, Impact Industrial development during planned period; Composition, Trends of Service sector and its role in Indian Economic Development	14
UNIT-III: Public Sector & Indian Financial System	Public Sector: Role and Performance; Features of Indian Tax System & Role of Indirect Taxation; GST and related issues; Reserve Bank of India: Functions & Role. Commercial Banks: Nationalisation, Merger & Acquisition and its role in Indian Economy,	12
UNIT-IV: External Sector	Foreign Capital: Need, Importance & Weakness; FDI and FII; Trade: Composition & Trends; Export Promotion & Import Substitution;	11

**Suggested Readings:**

1. R. Dutt & K.P.M. Sundaram – Indian Economy, S. Chand & Co. Delhi
2. Mishra & Puri – Indian Economy, Himalaya Publishing House, Mumbai
3. Uma Kapila (ed.) – Indian Economy Since Independence, Academic Foundation, Delhi
4. Swapan Kr. Roy & Jaydeb Sarkhel, *Bharater Arthaniti*, Book Syndicate Private Ltd.
5. Debesh Mukherjee, *Samakalin Bharatiya Arthaniti*, New Central Book Agency Pvt. Ltd
6. Jean Dreze and AmartyaSen - *An Uncertain Glory: India and its Contradictions*, Princeton University Press (2013)
7. Mihir Rakshit - *Macroeconomics of Post-Reform India* (2011)
8. Kaushik Basu and A. Maertens (Eds) - *The New Oxford Companion to Economics in India*, Oxford University Press (2013)
9. L.M.Bhole and J.Mahakud - *Financial Institutions and Markets: Structure, Growth & Innovation* (6th Edition, 2017)

Online study material:

1. Economic and Political Weekly, Various Issues.
2. Govt. of India – Economic Survey, Various Years.
3. Ghate,C. and S.Wright (2012). The ‘V-Factor’: Distribution, Timing and Correlates of the Great Indian Growth Turnaround. *Journal of Development Economics*, Vol.99, pp. 58-67.
4. Ahluwalia,M.S (2000). State Level Performance Under Economic Reforms in India. Presented at the Centre for Research on Economic Development and Policy Reform Conference on Indian Economic prospects: Advancing Policy Reform, May 2000; Stanford University
5. <http://www.niti.gov.in/>
6. <https://www.sebi.gov.in/>

Syllabus for Economics Minor 1 (Part of SEM 1)

**Minor 101**

<b>Programme/Class</b>	<b>Year: First</b>	<b>Semester: First / Second</b>
<b>Degree: BA</b>		
<b>Subject: Economics (Minor)</b>		
<b>Course code:</b>	<b>Course Title: Introductory Economics</b>	
<b>Course objective:</b>	<ul style="list-style-type: none"> <li>• To introduce the basic concepts of Economics- micro, macro, growth &amp; development; central problems of the economy</li> <li>• To introduce the concept of production, costs and - isoquants, isocosts, producer equilibrium, laws of returns to scale, laws of variable proportion.</li> <li>• To familiarize the students with the concepts of marginal cost and average cost, short run and long run average cost curves,</li> <li>• To introduce the concepts and classifications of revenue, relation between marginal revenue, average revenue, and also relation among marginal revenue, average revenue and elasticity.</li> <li>• To spread the meaning of market and its classification</li> <li>• To put across the concept of national income, calculation methods of national income, and concepts related to national income.</li> <li>• To familiarise the students with the major schools of economic thought</li> <li>• To enable students to distinguish between growth and development; various measures and concepts of development</li> <li>• To familiarize the students about the objectives and components of government budget, classification of receipts and expenditures, measures of government deficit.</li> </ul>	
<b>Course outcome:</b>	<ul style="list-style-type: none"> <li>• The students get familiarized with the basic concepts of Economics, so that he/ she can comprehend and familiarize with day today happenings.</li> <li>• Understand the concepts of costs, revenue and production as well as the various market forms and functioning</li> <li>• Students will understand the various policy measures adopted by government</li> <li>• The students learn and understand the distinction between growth and development.</li> <li>• The students are able to explain national income, comprehend methods of measurement of national income, and concepts related to national income.</li> <li>• The students understand the objectives and components of government budget, classification of receipts and</li> </ul>	

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	expenditures, measures of government deficit.	
<b>Credits: 04</b>	<b>Core Compulsory</b>	
<b>Max. Marks: 100</b>	<b>Min. Passing Marks: 40</b>	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I</b> (Fundamentals of Microeconomics):	<p><b>Basic Concepts:</b> Wealth, Welfare &amp; Scarcity; Positive &amp; Normative Economics; Micro &amp; Macroeconomics; Central problems of Economy; Concepts &amp; Laws of Demand &amp; Supply; Elasticities</p> <p><b>Production, Costs &amp; Revenue:</b> Returns to a factor, Concepts of total Product; average product, marginal product; Law of Variable Proportion (Three stages) &amp; Returns to scale; Total, Average &amp; Marginal Costs; Concepts of TR, MR and AR- relation among AR, MR and Price Elasticity.</p> <p><b>Concept of Market:</b> Meaning; Classification of Market Structures</p>	09
<b>UNIT-II</b> (Fundamentals of Macroeconomics):	<p><b>National Income and related concepts:</b> NI, GNP, GDP, NNP, NDP (at factor cost and market price), PI &amp; DPI; Measurements of National Income: Circular flow of income in two sector &amp; three model</p> <p><b>Economy and Development:</b> Types of Economy—Capitalist, Socialist &amp; Mixed; Closed &amp; Open Economy; Different sectors of an Economy;</p> <p><b>Major Schools of Thought:</b> Concepts &amp; Comparison of Classics, Keynesian &amp; Monetarists</p>	11
<b>UNIT-III</b> (Money, Banking & Taxes):	<p><b>Money &amp; Banking:</b> Definition of money &amp; its functions; Concepts of Demand for &amp; supply of money; Functions of central and commercial banks; inflation and stagflation</p> <p><b>Government Finances:</b> Basic concepts; Deficit &amp; Surplus Budget; Monetary &amp; Fiscal Policy</p> <p><b>Taxes:</b> Basic concepts; Direct &amp; Indirect taxes—incidence, shifting &amp; burden of taxes; GST</p>	09
<b>UNIT-IV</b> (Development & Trade):	<p><b>Growth &amp; Development;</b> Difference between Growth and Development; Measures of Development: PCI; PQLI; HDI;</p> <p>Unlimited Supplies of Labour- Lewis Model; Concepts of</p>	11



**ECONOMICS**

**ID 1st Sem**

Programme/Class Degree:	Year: First	Semester: 1
<b>Subject: Economics (Interdisciplinary)</b>		
Course Code:	<b>Course Title: Elementary Economics - I</b>	
Course Objective:	To give an understanding about the <ul style="list-style-type: none"> <li>• Basic knowledge about the scope and domain of Economics</li> </ul>	
Course Outcome:	Students will learn about <ul style="list-style-type: none"> <li>• the basic concepts about economics, especially Microeconomics</li> <li>• the various forms of Market and its features</li> <li>• the role of Govt. and Role of Central Bank</li> </ul>	
Credits:	03	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I:	What is Economics? Human wants and needs, Economy – Its meaning and types, Central problems of an economy, Basic economic activities, Concepts of goods and services, concepts of demand and supply, Concept of elasticity, Determinants of price and quantity	10
UNIT-II:	Concept of production, cost and revenue, Concept of Market, Types and forms of market with characteristics, Determination of price in Perfect competition	10
UNIT-III:	Types of Bank-Concepts and differences between Commercial and Central Banks, Role of Reserve Bank of India, Credit Creation; Credit Control	10
UNIT-IV	Role of Govt. in Economy, Provision of Public Goods and Services and Market Intervention and Govt. Budget: Revenue and Expenditure	10
<b>Suggested Readings:</b>		
<ol style="list-style-type: none"> <li>1. PA Samuelson: Foundations of Economics, 9th edition, Pearson</li> <li>2. Montosh Chakraborty, Byastik Arthaniti (Moulik), Dhakeswary Library, Dhaka.</li> <li>3. H.L. Ahuja, Advanced Economic Theory, S.Chand &amp; Company Ltd.</li> <li>4. Sampat Mukherjee &amp; Debesh Mukherjee, Samakalin Arthabidya, New Central Book Agency (P) Ltd.</li> <li>5. M.L Jhingan- Micro Economic Theory, Vrinda Publications Pvt. Ltd.</li> <li>6. S.K. Mishra &amp; V.K. Puri, Indian Economy, Himalayan Publishing House</li> <li>7. Swapan Kr. Ray &amp; Joydeb Sarkhel, Bharater Arthaniti, Book Syndicate Pvt. Ltd.</li> </ol>		
Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations		

**UG ECONOMICS**  
**2nd Semester**

Syllabus for Economics Major 3 (Part of SEM 2)

**Major 201**

<b>Programme/Class</b> <b>Degree: BA</b>	<b>Year: First</b>	<b>Semester: Second</b>
<b>Subject: Economics (Major)</b>		
<b>Course code:</b>	<b>Course Title: Microeconomics</b>	
<b>Course objective:</b>	<ul style="list-style-type: none"> <li>• To introduce the concept of Perfect Competition and Analysis of Competitive Markets</li> <li>• To impart knowledge Profit maximisation under perfect competition</li> <li>• To familiarize the students with Market with Power – Monopoly and Monopsony, Monopolistic Competition, Oligopoly</li> <li>• To introduce the theory of Price Discrimination</li> <li>• To familiarize the students with the various forms of market equilibrium</li> <li>• To introduce the students to the Factor Market Analysis and Welfare Economics</li> </ul>	
<b>Course outcome:</b>	<ul style="list-style-type: none"> <li>• The students get familiarized with the concepts of Market and its various forms so that he/ she can comprehend and familiarize with day today happenings.</li> <li>• Understand the concepts of Profit maximization in competitive markets</li> <li>• The students learn and understand the aspects of Price Discrimination</li> <li>• The students are able to understand the various forms of market equilibrium</li> <li>• The students learn and understand about market efficiency</li> <li>• The students come to know about different aspects of Welfare economics.</li> </ul>	
<b>Credits: 04</b>	<b>Core Compulsory</b>	
<b>Max. Marks: 100</b>	<b>Min. Passing Marks: 40</b>	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I (Perfect Competition and Analysis of Competitive Markets):</b>	Profit maximisation under perfect competition in Short run and Long run; Short run supply curve of the firm and Long run supply curve of the industry; Constant, Increasing and Decreasing cost industry; The Effect of Tax	12
<b>UNIT-II (Market with Power – Monopoly and Monopsony):</b>	Market Power and Capturing Consumer Surplus: Price Discrimination-first, second and third degree price discrimination. Monopoly: Sources of monopoly power; Average Revenue, Marginal Revenue and Monopolist Equilibrium; the Multiplant Monopolist; Social cost of monopoly, rent seeking. Monopsony: Monopoly and Monopsony comparison, sources of Monopsony power, Social cost of Monopsony Power, Bilateral Monopoly.	12
<b>UNIT-III (Market with Power – Monopolistic</b>	Monopolistic Competition: Equilibrium in the short run and long run; Economic Efficiency and Monopolistic Competition Oligopoly: Equilibrium – Cournot and Bertrand Model, Competition vs. Collusion	13

<b>Competition and Oligopoly):</b>		
<b>UNIT-IV (Factor Market Analysis and Welfare Economics):</b>	Price and Employment of Factor Inputs in Competitive Factor Market. Pareto Optimality of Competitive Markets, Aggregation of Preferences and Social Welfare Function.	13
<p><i>Suggested Readings:</i></p> <ul style="list-style-type: none"> <li>▪ Sampat Mukherjee, <i>Analytical Microeconomics</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Micro Economic Theory</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Hal R. Varian, <i>Intermediate Microeconomics: A Modern Approach</i>, East- West Press, New Delhi.</li> <li>▪ Koutsoyiannis, <i>Modern Micro Economics</i>, Macmillan, London</li> <li>▪ Montosh Chakraborty, <i>Byastik Arthaniti</i>, Dhakeswary Library, Dhaka.</li> <li>▪ H.L. Ahuja, <i>Advanced Economic Theory</i>, S.Chand&amp; Company Ltd.</li> <li>▪ Sampat Mukherjee &amp; Debesh Mukherjee, <i>Samakalin Arthabidya</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Satya R. Chakraborty, <i>Microeconomics</i>, Allied Publishers Pvt Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Adhunik Arthanitir Bhumika</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ N. Gregory Mankiw, <i>Principles of Microeconomics</i>, 6th Edition, NewDelhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ Salvatore. D, <i>Microeconomics</i>, Schaum Series</li> </ul>		
Suggested Continuous Evaluation Methods: Assignment /Test/Quiz (MCQ)/Presentations		
Suggested equivalent online: Swayam,		

Syllabus for Economics Major 4 (Part of SEM 2)

Programme/Class Degree: BA	Year: First	Semester: Two
<b>Subject: Economics (Major)</b>		<b>Major 202</b>
Course Code:	<b>Course Title: Macroeconomics</b>	
Course Objective	<p>To give an understanding about the</p> <ul style="list-style-type: none"> <li>• The theories of employment</li> <li>• behaviour of the consumers</li> <li>• Investment patterns and features</li> <li>• Various types of Inflation and cyclical behaviour of the economy</li> </ul>	
Course Outcome	<p>Students will learn about the various aspects of Macroeconomics-</p> <ul style="list-style-type: none"> <li>• including the differences in the classical and Keynesian approaches</li> <li>• the consumption behavior of the people</li> <li>• the approaches to investment</li> <li>• inflation and its dynamics</li> <li>• Business cycle fluctuations</li> </ul>	

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Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
Keywords		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: <b>Theory of Employment</b>	Classical Theory of Employment, its criticism and Keynesian Revolution. The Theory of Effective Demand; Determination of Simple Keynesian Equilibrium; The IS-LM Framework and Complete Keynesian Model.	15
UNIT-II: <b>Consumption Function</b>	Keynesian's psychological law of consumption, factor effecting law of consumption, Relative Income Hypothesis, Permanent Income Hypothesis, Lifecycle Hypothesis.	12
UNIT-III: <b>Investment Function</b>	Investment Function - MEC and MEI; Keynesian multiplier, Accelerator and the Super Multiplier.	11
UNIT-IV: <b>Inflation and Business Cycle</b>	Inflation: Demand Pull and Cost Push Theories, Effects of Inflation on Production and Distribution, Anti-Inflationary Policy. Business Cycle: Meaning and Characteristics; Hawtrey's Theory of Trade Cycle	12
<b>Suggested Readings:</b>		
<ul style="list-style-type: none"> <li>▪ Rana and Verma, Macroeconomic Analysis, Vishal Publication</li> <li>▪ Ahuja, H.L., Macroeconomics: Theory and Policy, S. Chand &amp; Co, New Delhi</li> <li>▪ N. Gregory Mankiw, <i>Principles of Macroeconomics</i>, 6th Edition, New Delhi: Cengage Learning India (Pvt.) Ltd.</li> <li>▪ Shapiro, E. <i>Macroeconomic Analysis</i>, New Delhi: Galgotia Publications Pvt. Ltd.</li> <li>▪ Dornbusch, R. and F. Stanley, <i>Macroeconomics</i>, New York: McGrawHill, Inc.</li> <li>▪ Froyen – Macro Economics Theories and Policies, Prentice Hall</li> <li>▪ Branson – Macroeconomics, W. W. Norton &amp; Company</li> <li>▪ Barro – Macroeconomics, The MIT Press</li> <li>▪ Sampat Mukharjee – Analytical Macroeconomics New Central Book agency(P) Ltd.</li> </ul>		

Syllabus for Economics Minor 2 (Part of SEM 2)

**Minor 201**

Programme/Class Degree: BA	Year: First	Semester: Two
<b>Subject: Economics (First Year)</b>		
Course Code:	<b>Course Title: Indian Economy</b>	
Course Objective	To give an understanding about the <ul style="list-style-type: none"> <li>• Demographic profile of the country</li> <li>• Different sectors of the Indian economy</li> <li>• Public sector and Indian financial system</li> <li>• External sector and evolution of planning in the country</li> </ul>	
Course Outcome	Students will learn about the nature of the Indian economy and its problems. This will help them understand and analyze the changes of different indicators of Indian economy using basic economic tools.	
Credits:	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
Keywords		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I:  Structure and Trends of Indian Economy	Features of Indian Economy; Sectoral Distribution of National Income & Its Significance  Poverty: Extent, Causes & Measures to eradicate Poverty; Unemployment: Types, Causes & Government Policy Initiatives  Demographic: Features, Trend and Problems; inter-state demographic variation with respect to major economic indicators	12
UNIT-II:  Primary, Secondary & Tertiary Sectors	Farm Size & Productivity; Land Reform: Nature & Scope, Objectives, Programmes, Achievements & Failures; Green Revolution: Salient Features, Impact; WTO and Indian Agriculture  Industrial development during planned period, Industrial Policies, Growth and problems of MSME; Industrial Productivity and Reforms  Composition, Trends of Service sector and its role in Indian Economic Development in terms of Employment and GDP	12

<p>UNIT-III:  Public Sector &amp; Indian Financial System</p>	<p>Public Sector: Role and Performance ; Disinvestment Policy  Features of Indian Tax System &amp; Role of Indirect Taxation; GST and related issues; Centre—State financial relation  Reserve Bank of India: Functions, Role &amp; Present Monetary Policy; Commercial Banks: Nationalisation, Merger &amp; Acquisition and its role in Indian Economy, Indian Financial Market: Stock Market and SEBI</p>	<p>13</p>
<p>UNIT-IV:  External Sector &amp; Planning</p>	<p>Foreign Capital: Need, Importance &amp; Weakness; FDI and FII;  Trade: Composition &amp; Trends; Export Promotion &amp; Import Substitution; Issue of Globalisation &amp; Its Consequences  Economic Planning: Features, Rationale &amp; Objectives; Reappraisal of Planning; NITI Aayog: Features, Role &amp; Objectives</p>	<p>13</p>
<p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1. R. Dutt &amp; K.P.M. Sundaram – Indian Economy, S. Chand &amp; Co. Delhi</li> <li>2. Mishra &amp; Puri – Indian Economy, Himalaya Publishing House, Mumbai</li> <li>3. Uma Kapila (ed.) – Indian Economy Since Independence, Academic Foundation, Delhi</li> <li>4. Swapan Kr. Roy &amp; Jaydeb Sarkhel, <i>Bharater Arthaniti</i>, Book Syndicate Private Ltd.</li> <li>5. Debesh Mukherjee, <i>Samakalin Bharatiya Arthaniti</i>, New Central Book Agency Pvt. Ltd</li> <li>6. Jean Dreze and AmartyaSen - An Uncertain Glory: India and its Contradictions, Princeton University Press (2013)</li> <li>7. Mihir Rakshit - Macroeconomics of Post-Reform India (2011)</li> <li>8. Kaushik Basu and A. Maertens (Eds) - The New Oxford Companion to Economics in India, Oxford University Press (2013)</li> <li>9. L.M.Bhole and J.Mahakud - Financial Institutions and Markets: Structure, Growth &amp; Innovation (6th Edition, 2017)</li> </ol> <p>Online study material:</p> <ol style="list-style-type: none"> <li>1. Economic and Political Weekly, Various Issues.</li> <li>2. Govt. of India – Economic Survey, Various Years.</li> <li>3. Ghate,C. and S.Wright (2012). The ‘V-Factor’: Distribution, Timing and Correlates of the Great Indian Growth Turnaround. <i>Journal of Development Economics</i>, Vol.99, pp. 58-67.</li> <li>4. Ahluwalia,M.S (2000). State Level Performance Under Economic Reforms in India. Presented at the Centre for Research on Economic Development and Policy Reform Conference on Indian Economic prospects: Advancing Policy Reform, May 2000; Stanford University</li> <li>5. <a href="http://www.niti.gov.in/">http://www.niti.gov.in/</a></li> <li>6. <a href="https://www.sebi.gov.in/">https://www.sebi.gov.in/</a></li> </ol>		

**Economics**  
**UG 3rd Sem**



## Economics Major

Programme / Degree: BA	Year: Second	<b>Semester: Third</b>
<b>Subject: Economics (Major)</b>		
<b>Major 301</b>		
Course Code: V	<b>Course Title: Development Economics</b>	
Course Objectives	<ul style="list-style-type: none"> <li>▪ To equip students with the essential concepts and tools of development economics.</li> <li>▪ To make them understand the issues and concerns of economic development, and find insights into the theories of economic development.</li> <li>▪ To enabling the learners conceptual clarity, strengthening theoretical foundations and critical thinking.</li> </ul>	
Course Outcome	<p>The Course will help the learners to</p> <ul style="list-style-type: none"> <li>• Develop comprehensive understanding of the meaning, issues and theories of economic development.</li> <li>• Understand the concepts of poverty, inequality and development strategies, as well as characteristics of underdevelopment.</li> <li>• Conceptualize the issues of sustainable development and future strategies.</li> </ul>	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
<b>UNIT-I:</b> <i>Economic Development – Concepts &amp; Measurements</i>	Economic growth and Economic Development; Measuring Economic Development – Income Measure, Basic Needs Approach, Physical Quality of Life Index, Human Development Index – Its alternative forms and critique; Comparing development trajectories across and within nations.	12
<b>UNIT-II:</b> <i>Macro Characteristics of Underdevelopment</i>	Basic theories of development – Adam Smith, David Ricardo, Malthus; Lewis theory of unlimited supplies of labour and its extension by Ranis-Fei; Harris-Todaro theory of rural-urban migration.	12
<b>UNIT-III:</b> <i>Poverty, Inequality &amp; Development Strategies</i>	Poverty – conceptual issues and measurements, functional effects; Inequality – conceptual and measurement issues (Lorenz curve, Gini-coefficient and Kuznets’ inverted-U hypothesis); Stages of economic growth: Marx and Rostow; Vicious circle of poverty and the critical minimum effort hypothesis; Big push theory; Balanced vs. unbalanced growth, Choice of technique and investment criteria.	14
<b>UNIT-IV:</b> <i>Sustainable Development</i>	Concept of Sustainable development – weak and strong sustainability; Environment externalities and state regulations; Common property rights; Environmental accounting; Poverty and environment, Millennium Development Goals and Sustainable Development Goals, Agenda 2030 and their critical appraisal.	12

**Suggested Readings:**

1. Barro, R. & Xavier Sala-i-Martin, *Economic Growth*, The MIT Press
2. Basu, K., *Analytical Development Economics: The Less Developed Economy Revisited*, OUP
3. Hayami, Y. and Godo, Y., *Development Economics: From Poverty to Wealth of Nations*, Oxford University Press.
4. Meier G.M., *Leading Issues in Economic Development*, Oxford University Press, New Delhi, latest edition.
5. Ray, Debraj, *Development Economics*, Oxford University Press, latest edition.
6. Thirlwall, A.P., *Economics of Development: Theory and Evidence*. Palgarve Macmillan
7. Todaro Michael P & Smith Stephen C., *Economic Development*, Pearson
8. World Bank. *World Development Report*, Selected Years.

### Syllabus for Economics Major VI (Semester 3<sup>rd</sup>)

Programme/Class Degree: BA	Year: Second	Semester: 3 <sup>rd</sup>
<b>Subject: Economics (Major), Paper - VI</b>		<b>Major 302</b>
Course Code:	<b>Course Title: Indian Economic Policies</b>	
Course Objectives	The objective of course is to provides a comprehensive overview of India's economic policies since independence, with a focus on the rationale, impact, and effectiveness of these policies. The course will cover a wide range of topics, including industrial policy, agricultural policy, trade policy, fiscal policy, monetary policy, and social policy.	
Course Outcome	<ul style="list-style-type: none"> <li>• The course will help to develop a comprehensive grasp of India's economic policy landscape, tracing its evolution from independence to the present day.</li> <li>• It will help to articulate the underlying rationale behind the key economic policies implemented by the Indian government.</li> <li>• It will help to analyse the impact of these policies on the Indian economy, examining both macroeconomic performance and distributional effects.</li> <li>• It will help to evaluate the effectiveness of these policies in addressing India's economic challenges and achieving its development goals.</li> </ul>	
Credits: 04	Core Compulsory	
Full Marks: 100	Minimum Pass Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Sectoral Policy & Sustainable Development	<ul style="list-style-type: none"> <li>• Strategies of agricultural development in India; Agricultural price policy; Agricultural subsidy;</li> <li>• Government's policy towards public sector; Deindustrialisation in India; New economic policy; Social security measures;</li> <li>• Examining policy interventions for promoting sustainable development, addressing climate change, and promoting green industries</li> </ul>	12
UNIT-II: Fiscal Policy & Monetary Policy	<ul style="list-style-type: none"> <li>• Public revenue and expenditure in India; Centre-state financial relation</li> <li>• Recent monetary policy of Reserve Bank of India: Recent reforms in Indian money market and capital market; Demonetisation in India</li> </ul>	12
UNIT-III: Social Policy & Inclusive	<ul style="list-style-type: none"> <li>• Addressing poverty, inequality and unemployment in India: policy measures, effectiveness, and challenges</li> <li>• Education and health care policies and their contribution to human resource development</li> </ul>	12

Development		
UNIT-IV: Trade Policy & Global Integration	<ul style="list-style-type: none"> <li>• India's foreign trade policy; Special Economic Zones; Policies of export promotion and import substitution; India's balance of payments: causes of deficits &amp; policy measures</li> <li>• Globalisation of Indian economy; WTO and its impact on Indian economy</li> </ul>	12
<p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1. Isher Judge Ahluwalia &amp; Om Prakash Mathur - "Indian Economy: Issues and Policies", Sage Publications</li> <li>2. S. R. K. Rao - "Indian Economic Policy: An Analytical Framework." Oxford University Press</li> <li>3. World Bank - "India: An Economic Overview." World Bank, 2022.</li> <li>4. Gaurav Datt &amp; Ashwani Mahajan – “Indian Economy”, S. Chand &amp; Co. Delhi</li> <li>5. Mishra &amp; Puri – “Indian Economy”, Himalaya Publishing House, Mumbai</li> <li>6. Debesh Mukherjee – “Indian Economy Since Independence”, New Central Book Agency Pvt. Ltd</li> <li>7. Uma Kapila (ed.) – “Indian Economy Since Independence”, Academic Foundation, Delhi</li> <li>8. Government of India – “Economic Survey (Current Issues)”, Ministry of Finance, Government of India</li> <li>9. Jaydeb Sarkhel &amp; Seikh Selim – “<i>Bharitiya Arthaniti</i>”, Book Syndicate Private Ltd.</li> <li>10. Swapan Kr. Roy &amp; Jaydeb Sarkhel – “<i>Bharater Arthaniti</i>”, Book Syndicate Private Ltd.</li> <li>11. Debesh Mukherjee – “<i>Samakalin Bharatiya Arthaniti</i>”, New Central Book Agency Pvt. Ltd</li> </ol>		

### Syllabus for Economics Minor III (Semester 3<sup>rd</sup>)

Programme/Class Degree: BA	Year: Two	Semester: 3 <sup>rd</sup> <b>Minor 301</b>
<b>Subject: Economics (Minor)</b>		
Course Code:	<b>Course Title: Economic History of India and Basic Statistics</b>	
Course Objective	<ul style="list-style-type: none"> <li>▪ This course analyses and investigates the key aspects and knowledge of colonial history of Indian economy during the second half of British rule.</li> <li>▪ This course links directly to the course on India's economic development before independence.</li> <li>▪ To familiarize the students with the knowledge of basic Statistics that have become indispensable in the study of economic theory at the undergraduate level.</li> <li>▪ To impart the knowledge of Statistical tools in Economics to the learners and to equip them with quantitative techniques, as the use of statistical methods in social sciences is increasing over the years.</li> <li>▪ To teach Statistics so that students can easily comprehend and quantify the relationships among different variables to forecast future economic activities and business decision.</li> <li>▪ To introduce the students to the knowledge of collection and presentation of data in a scientific manner.</li> </ul>	
Course Outcome	<ul style="list-style-type: none"> <li>▪ The learners will gain knowledge about nature and status of the colonial economy of India.</li> <li>▪ The historical knowledge of Indian agriculture, industry and basic infrastructure during the British period will be learned by the students.</li> <li>▪ The knowledge on statistics will upgrade the quantitative skills among the students which will help them in their real life phenomena in an understandable and logical way.</li> <li>▪ Learning about basic statistics will provide the analytical foundations necessary for further study of a variety of multi-disciplines including Economics, Commerce, Political Science, Finance, Business Management and Data Analytics.</li> </ul>	

	<ul style="list-style-type: none"> <li>▪ These tools are necessary for anyone seeking employment as an analyst, manager, planning, business decision making, policy making etc in the corporate world.</li> <li>▪ This paper will provide the students an efficient means of constructing mental self-discipline and encourage logical reasoning and mental rigor.</li> </ul>	
Credits: 04	Core Compulsory	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: (British Rule and Indian Economy):	Colonialism— Meaning, Basic Features of Colonialism in India; Stages of British Rule in India; Consequences of the British Rule; Commercialization of Indian Agriculture; Deindustrialization: Features, Causes & Effects; The Decline of Handicrafts in India; Economic Drain.	08
UNIT-II: (Aspects of British Imperial Policy):	Land Tenure System & Agricultural Policy— Land Revenue Arrangement; The Zamindari System, The Permanent Settlement, Ryotwari System, Mahalwari System or Communal System Irrigation System in British India; India's Railways— Old & New Guarantee System, Effects of Railway Development; Railway vs Irrigation. Problems of Some Large scale Industries— Cotton Textile, Jute, Iron and Steel; Managing Agency System	10
UNIT-III: (Basic Concepts & Frequency Distribution):	Basic Concepts—Meaning of Statistics and its importance in Economics; Variable and Attribute; Collection and Presentation of Data; Primary and Secondary Data; Questionnaires; Population and Sample; Classification; Tabulation Frequency Distribution— Meaning; Frequency distribution of an attribute, discrete and continuous variables; Grouped and ungrouped frequency distribution; useful terms associated with grouped frequency distribution; Construction of frequency distribution ; Cumulative Frequency Distribution; Histogram, Step Diagram, Cumulative frequency Polygon or Ogive	11

	Charts and Diagrams— Types of Charts and Diagram; Line Diagram, Logarithmic Diagram, Bar Diagram, Pie Diagram, Pictogram—their uses, advantages and Disadvantages; Frequency Curve	
UNIT-IV: (Central Tendency, Dispersion & Correlation-Regression )	Measures of Central Tendency— Meaning and importance; AM, GM, HM, Median, Mode—Definition, Properties; Methods of calculation; Advantages and Disadvantages of Mean, Median and Mode. Measures of Dispersion— Meaning and importance; Range, Quartile Deviation, Mean Deviation, Standard Deviation— meaning, properties, Relationship; Methods of calculation; Coefficient of variation; Moments, Skewness and Kurtosis Correlation and Regression— Concept of Bivariate data and Bivariate frequency distribution, Scatter Diagram; Pearson’s Linear or Simple correlation coefficient and its properties, Calculation of Simple correlation coefficient; Regression and its properties.	11

**Suggested Readings for Indian Economic History:**

- 1) Jaydeb Sarkhel and Sekh Selim (2022) — Bharati Arthonity, Book Syndicate (P) Ltd
- 2) Debesh Mukharjee— *Indian Economic History*, New Central Book Agency (P) Ltd.
- 3) Ranesh Roy— *Oupanibeshik Bharater Rashtriya Arthaniti*, Progressive Publishers.
- 4) Barun Chakraborty— *Bharater Sankhipta Arthanaitik Itihas*, Pashchimbanga Rajya Pustak Parsad.
- 5) Basudev Chatterjee—*Trade, Tariffs and Empire*, Oxford University Press
- 6) Dhiresb Bhattacharjee— *Bharater Samkshipta Itihas*, Pashchimbanga Rajya Pustak Parsad.
- 7) Dharma Kumar – *The Cambridge Economic History*. Orient Longman, New Delhi.
- 8) G. Kaushal—*Economic History of India (1757-1966)*, Kalyani Publishers.
- 9) Irfan Habib— *Bharater Arthonity (1858-1914)*, Pashchimbanga Rajya Pustak Parsad.
- 10) J. Krishnamurty—Occupational Structure, in Dharma Kumar (Editor), *The Cambridge Economic History of India*, Vol. II, 2005.
- 11) R C Dutt— *The Economic History of India under Early British Rule*. Routledge, London
- 12) S. Desai. & N. Bhalerao –*Economic History of India*, Himalaya Publishing House
- 13) Sumit Sarkar— *Modern India 1885-1947*. Pearson, India
- 14) Tirthankar Roy— *The Economic History of India (1857-1947)*, Oxford University Press.

**Suggested Readings for Statistics:**

- 1) Jaydeb Sarkhel & Santosh Kumar Dutta—*An Insight into Statistics*, Book Syndicate Private Limited
- 2) Jaydeb Sarkhel & Santosh Kumar Dutta—*Rashibighyaner Bhumika*, Book Syndicate Private Limited.
- 3) N.G. Das— *Statistical Methods (Volume-I & II)*, The McGraw-Hill Companies.
- 4) S. C. Gupta—Fundamentals of Statistics, Himalaya Publishing House, Delhi



Programme/Class Degree:	Year: Second	Semester: Third
<b>Subject: Economics (Elective)</b>		
Course Code:	<b>Course Title: Elementary Economics - II</b>	
Course Objective:	To give an understanding about the <ul style="list-style-type: none"> <li>To understand the basic knowledge about Economics</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>Students will learn about the basic concepts about economics and especially Macro Economics</li> <li>Students will learn about the SDGs</li> </ul>	
Credits:	03	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I:	An overview of Indian Economy, Sectoral aspects of Indian Economy, Challenges in Indian Economy, Indian Economy in Global context	10
UNIT-II:	Concept of National Income and related aggregates, Measurement of National Income, Concept of Consumption, Investment and Savings	10
UNIT-III:	Concept of Fiscal and Monetary Policy and their instruments, Concepts of Govt. Revenue and its types, Concept of Govt. Expenditure, Govt. Budget	10
UNIT-IV:	Environment and Sustainable Development, Concept of green GDP, Sustainable Development Goals	10
<b>Suggested Readings:</b>		
1. PA Samuelson: Foundations of Economics, 9th edition, Pearson.		
Online study material:		
Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment / Test / Quiz (MCQ) / Presentations		

Programme/Class Degree:	Year: Second	Semester: Third
<b>Subject: Economics (Interdisciplinary)</b>		
Course Code:	<b>Course Title: Elementary Economics - II</b>	
Course Objective:	To give an understanding about the <ul style="list-style-type: none"> <li>• To understand the basic knowledge about Economics</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>• Students will learn about the basic concepts about economics and especially Macro Economics</li> <li>• Students will learn about the SDGs</li> </ul>	
Credits:	03	
Max. Marks: 100	Min. Passing Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I:	An overview of Indian Economy, Sectoral aspects of Indian Economy, Challenges in Indian Economy, Indian Economy in Global context	10
UNIT-II:	Concept of National Income and related aggregates, Measurement of National Income, Concept of Consumption, Investment and Savings	10
UNIT-III:	Concept of Fiscal and Monetary Policy and their instruments, Concepts of Govt. Revenue and its types, Concept of Govt. Expenditure, Govt. Budget	10
UNIT-IV:	Environment and Sustainable Development, Concept of green GDP, Sustainable Development Goals	10
<b>Suggested Readings:</b>		
1. PA Samuelson: Foundations of Economics, 9th edition, Pearson.		
Online study material:		
Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations		

**Economics**  
**UG 4th Sem**

**Syllabus for Economics Major VII (Semester 4<sup>th</sup>)**

**Major 401**

Programme/Class Degree: BA	Year: Second	Semester: 4 <sup>th</sup>
<b>Subject: Economics (Major), Paper - VII</b>		
Course Code:	<b>Course Title: Statistical Methods – I</b>	
Course Objective:	<ul style="list-style-type: none"> <li>▪ To impart the knowledge of Statistical tools in Economics to the learners</li> <li>▪ To introduce the students to the knowledge of collection and presentation of data in a scientific manner</li> <li>▪ To teach Statistics so that students can easily comprehend and quantify the cause and effect relationships among different variables.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>▪ The learners will learn about the basic concepts of Statistics which are minimum requirement for studying Economics and also for social science research.</li> <li>▪ This course introduces the student to collection and presentation of data. It also discusses how data can be summarized and analyzed for drawing statistical inferences.</li> <li>▪ The course will upgrade the quantitative skills among the students which will help them in their real life phenomena in an understandable and logical way.</li> <li>▪ These tools are necessary for anyone seeking employment as an analyst, manager, planning, business decision making, policy making etc in the corporate world.</li> </ul>	
Credits: 04		
Full Marks: 100	Minimum Pass Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Basic Concepts	Meaning of Statistics and its importance in Economics; Variable and Attribute; Collection and Presentation of Data; Primary and Secondary Data; Questionnaires; Population and Sample; Classification; Tabulation Types of Charts and Diagram; Line Diagram, Logarithmic Diagram, Bar Diagram, Pie Diagram, Pictogram - their uses, advantages and Disadvantages; Frequency Curve	08
UNIT-II: Frequency Distributions & Measures of Central Tendency	Meaning; Frequency distribution of an attribute, discrete and continuous variables; Grouped and ungrouped frequency distribution; useful terms associated with grouped frequency distribution; Construction of frequency distribution ; Cumulative Frequency Distribution; Histogram, Cumulative frequency Polygon or Ogive Measures of Central Tendency: Meaning and importance; AM, GM, HM,	10

	Median, Mode—Definition, Properties; Methods of calculation; Advantages and Disadvantages of Mean, Median and Mode.	
UNIT-III: Dispersion, Correlation & Regression	Measures of Dispersion: Meaning and importance; Range, Quartile Deviation, Mean Deviation, Standard Deviation— meaning, properties, Relationship; Methods of calculation; Coefficient of variation Basic concepts of Moments, Skewness and Kurtosis Correlation and Regression: Concept of Bivariate data and Bivariate frequency distribution, Scatter Diagram; Pearson’s Linear or Simple correlation coefficient and its properties, Calculation of Simple correlation coefficient; Regression and its properties.	12
UNIT-IV: Index Numbers	Index Numbers: Meaning of Index Numbers, Problems in construction of Index Numbers, Methods of construction of Index Numbers, Quantity Index Numbers Tests of Index Numbers, Chain Base Method, Cost of Living Index Numbers Base shifting, Splicing, Deflation, Errors in Index Number.	10
<p><b>Suggested Readings:</b></p> <ol style="list-style-type: none"> <li>1) Jaydeb Sarkhel &amp; Santosh Kumar Dutta—<i>An Insight into Statistics</i>, Book Syndicate Private Limited</li> <li>2) Jaydeb Sarkhel &amp; Santosh Kumar Dutta—<i>Rashibighyaner Bhumika</i>, Book Syndicate Private Limited.</li> <li>3) N.G. Das— <i>Statistical Methods (Volume-I &amp; II)</i>, The McGraw-Hill Companies.</li> <li>4) S. C. Gupta—<i>Fundamentals of Statistics</i>, Himalaya Publishing House, Delhi</li> </ol>		
<p>Suggested Continuous Evaluation Methods: Assignment / Test / MCQ</p> <p>Assignment /Test/Quiz(MCQ)/Presentations</p>		

### Syllabus for Economics Major VIII (Semester 4<sup>th</sup>)

Programme/ Class Degree: BA	Year -2 : Semester-IV		<b>Major 402</b>
<b>Subject: Economics (Major) Paper-VIII</b>			
Course Code:	<b>Course Title: Money, Banking and Finance</b>		
Course Objective:	<ul style="list-style-type: none"> <li>• To impart the knowledge about the concept of money, banking, and theories of money.</li> <li>• To analyze the operation of Monetary Policy of India</li> <li>• To analyze the mode of Digital Payments in India</li> <li>• To study the role of Central Bank in the development of the country.</li> </ul>		
Course Outcome:	<ul style="list-style-type: none"> <li>• To understand the different aspects of demand for money and supply of money.</li> <li>• To examine the role and relevance of Banking.</li> <li>• To understand the progress of e-payment mechanism in India.</li> <li>• To understand the working of the monetary policy of the Central Bank of a Country</li> <li>• To understand the concepts of investment, financing and role of financing</li> </ul>		
Credits: 04			
Full Marks: 100	Minimum Pass Marks: 40		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>	
Unit-I: Money	<p>Concept of Money: Forms, Functions and Significance of Money; Concept of Monetary Standards: Metallic Standard, Gold Standard and Paper Standard;</p> <p>Supply of Money: Sources of Money Supply, Measures of Money Supply in India, Concepts of High Powered Money and Money Multiplier – Determinants of Money Supply.</p> <p>Demand for Money: Fisher’s Version of Cash Transactions Approach, Cambridge Version of Cash Balances Approach, Keynesian Approach.</p>	10	
Unit-II: Banking	<p>Banking: Meaning and Types of Banks, Types of Deposits – Savings, Current, Fixed and Recurring.</p> <p>Commercial Banking: Functions, Process of Credit Creation and Its Limitations, Credit Multiplier.</p> <p>Modern Functions of Banks (Concepts): Internet Banking, Mobile Banking -Types of Cards: Credit Cards, Debit Cards, Smart Cards, ATM Cards - Personal Identification Number (PIN); Electronic Fund Transfer - Electronic Clearing Services, NEFT, RTGS, and IFSC.</p>	10	

Unit-III: Central Banking	<p>Concepts: Central Bank, Difference between Central bank and Commercial Bank, Bank Rate, Open Market Operations, Cash Reserve Ratio, Statutory Liquidity Ratio, Credit Ceiling, Moral Suasion, Repo Rate, Reverse Repo Rate.</p> <p>Functions of Central Bank, Quantitative and Qualitative Methods of Credit Control.</p> <p>Monetary Policy: Instruments of Monetary Policy of the Central Bank of a Country; Monetary Policy during Inflation; Current Monetary Policies Adopted by Reserve Bank of India (RBI).</p>	10
Unit-IV: Finance	<p>Role of financial markets, Financial instruments, Basic theory of interest; discounting and present value; Asset pricing- internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity</p> <p>Random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis, Concept of Stock market and derivatives, Corporate Finance</p>	10
<p>Suggested Readings:</p> <ol style="list-style-type: none"> <li>1. Suraj B. Gupta, <i>Monetary Economics: Institutions, Theory and Policy</i>, S. Chand &amp; Co., New Delhi.</li> <li>2. D N Dwivedi, <i>Macroeconomics: Theory and Policy</i>, Tata McGraw-Hill Publishing Company Limited, New Delhi.</li> <li>3. Thomas E. Copeland, J. Fred Weston and Kuldeep Shastri, <i>Financial Theory and Corporate Policy</i>, Prentice Hall, 4th edition, 2003.</li> <li>4. D. M. Mithani, <i>Money, Banking, International Trade and Public Finance</i>, Himalaya Publishing House, New Delhi.</li> <li>5. R. R. Paul, <i>Monetary Economics</i>, Kalyani Publishers, New Delhi.</li> <li>6. Panchanan Das, Anindita Sengupta, Swapan Samanta, <i>Economics II</i>, Oxford University Press, New Delhi.</li> <li>7. Joydeb Sarkhel, <i>Adhunik Arthanitir Bhumika</i>, Vol.2, Book Syndicate Private Limited, Kolkata.</li> </ol>		

**Syllabus for Economics Minor IV (Semester 4<sup>th</sup>)**

**Minor 401**

Programme/Class Degree: BA	Year: Second	Semester: 4 <sup>th</sup>
<b>Subject: Economics (Minor)</b>		
Course Code:	<b>Course Title:</b> Intermediate Microeconomics	
Course Objective:	<ul style="list-style-type: none"> <li>• To introduce the students to Utility Analysis.</li> <li>• To introduce the theory of production- isoquants, isocosts, producer equilibrium.</li> <li>• To familiarize the students with the theory of cost, relation between marginal cost and average cost, derivation of short run and long run average cost curve.</li> <li>• To familiarize the students with the working and nature of markets and analysis of factor market.</li> </ul>	
Course Outcome:	<ul style="list-style-type: none"> <li>• The students get familiarized with the basics of Utility Analysis</li> <li>• The students are able to understand the theory of production- isoquants, isocosts, producer equilibrium.</li> <li>• The students learn and understand the theory of cost, relation between marginal cost and average cost, derivation of short run and long run average cost curve.</li> <li>• The students come to know about the concept of market, its different structures and analysis of factor market.</li> </ul>	
Credits: 03		
Full Marks: 100	Minimum Pass Marks: 40	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Introduction to Utility Analysis	Cardinal & Ordinal Utility; Law of Diminishing Marginal Utility; Marshallian Utility Analysis; Derivation of Demand Curve. Concepts & Properties of Indifference Curve & Budget Line; consumer's equilibrium. Decomposition of Price effect into Income and Substitution effect; Ordinary & Compensated Demand curves; Price consumption curve and Giffen good; Income consumption curve and Engel curve.	10
UNIT-II: Introduction to Production & Cost	Concepts & Properties of Isoquant & Isocost Line; Concept of MRTS; Producer's Equilibrium; Elasticity of substitution; Ridge Lines & Economic Zone; Expansion Path of a Firm. Cost Minimization and output Maximization; Concept of Production Possibility Curve & MRT. Cost of Production: Social, Opportunity, Economic, Implicit, Explicit & Real; Concepts & Classifications of Economic	10



	Costs; Relation between MC & AC; Derivation of SAC & LAC.	
UNIT-III: Market and its types	Perfect competition: Features, Price and output determination under perfect competition (Short & Long Run), Imperfect competition- Monopoly, Price and output determination under monopoly (Short & Long Run), Monopolistic competition- Features, Oligopoly- Features	10
UNIT-IV: Analysis of Factor Market	Determination of Rent: Ricardian Theory and Modern Theory; Concept of quasi-rent Money wage and real Wage; Marginal Productivity Theory of Wages Theory of Interest: Gross Interest and Net Interest; Three Components of Demand for Money and Keynesian Liquidity Preference Theory; Liquidity Trap Concepts of gross and Net profits; Normal and Supernormal Profits; Distinction between Risk and Uncertainty	10
<b>Suggested Readings:</b> <ul style="list-style-type: none"> <li>▪ Koutsoyiannis, Modern Micro Economics, Macmillan, London.</li> <li>▪ H.L. Ahuja, <i>Advanced Economic Theory</i>, S.Chand &amp; Company Ltd.</li> <li>▪ M.L Jhingan, <i>Micro Economic Theory</i>, Vrinda Publications Pvt. Ltd.</li> <li>▪ Sampat Mukherjee, <i>Analytical Microeconomics</i>, New Central Book Agency (P) Ltd.</li> <li>▪ Joydeb Sarkhel, <i>Micro Economic Theory</i>, Book Syndicate Pvt. Ltd.</li> <li>▪ Montosh Chakraborty, <i>Byastik Arthaniti (Moulik)</i>, Dhakeswary Library, Dhaka</li> <li>▪ Sampat Mukherjee &amp; Debesh Mukherjee, <i>Samakalin Arthabidya</i>, New Central Book Agency (P) Ltd.</li> </ul>		
Suggested Continuous Evaluation Methods: Assignment / Test / MCQ Assignment /Test/Quiz(MCQ)/Presentations		

Programme/ Class : UG	Year: Second	Semester: IV
<b>Subject: Economics (Interdisciplinary)</b>		<b>ID Eco 4th Sem</b>
Credits: 03	<b>Course Title: Elementary Economics-III (Indian Economy)</b>	
Course Objectives	The objectives of the course is to provide a comprehensive understanding of the structure, performance, and challenges of the Indian economy	
Course Outcome	Upon completion of this course, students will be able to: <ul style="list-style-type: none"> <li>• Demonstrate knowledge of the key sectors of the Indian economy</li> <li>• Analyse the impact of economic reforms</li> <li>• Identify and analyse current economic issues and challenges</li> <li>• Articulate informed opinions on economic policy matters</li> <li>• Develop critical thinking and analytical skills in the context of Indian economic issues</li> </ul>	
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
UNIT-I: Overview of the Indian Economy	Indian Economy: Features of underdevelopment National Income of India: Trends and sectoral composition Indian population: Growth, composition & population policies Poverty and Unemployment in India: Estimates, trends & government policies	10
UNIT-II: Agriculture & Industry	Agriculture: Importance; Trends in production & productivity; Problems of Indian agriculture; Green Revolution; Land reforms Industry: Growth; New Economic Policy; Disinvestment; Small & cottage industries	12
UNIT-III: Indian Financial System	Indian Public Finance: Features of Indian tax system; Sources of tax revenue; Public expenditure; Deficits in Indian budget; Centre-state financial relation Banking System in India: Role of commercial banks; Role of central bank; Monetary policy of Reserve Bank of India; Securities & Exchange Board of India (SEBI)	12
UNIT-IV: External Sector	Foreign Trade: Composition and direction of India's foreign trade; Balance of payment crisis; India's foreign trade policy; WTO and its impact on Indian economy International Cooperation: FDI & FII; Foreign aid to India; Multinational Corporations	12
<b>Suggested Readings:</b>		
<ol style="list-style-type: none"> <li>1. Gaurav Datt &amp; Ashwani Mahajan – “Indian Economy”, S. Chand &amp; Co. Delhi</li> <li>2. Mishra &amp; Puri – “Indian Economy”, Himalaya Publishing House, Mumbai</li> <li>3. Debesh Mukherjee – “Indian Economy Since Independence”, New Central Book Agency Pvt. Ltd</li> </ol>		